



Control Number: 50595



Item Number: 55

Addendum StartPage: 0

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Public Utility Commission of Texas

**Employee Training Report
Required by 16 Texas Admin. Code § 25.97(d)**

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PROJECT NO. 50595

AFFECTED ENTITY: North Plains Electric Cooperative, Inc.

General Information

Pursuant to 16 Texas Admin. Code § 25.97(d)(2), not later than the 30th day after the date an affected entity finalizes a material change to a document or training program, the affected entity must submit an updated report. The first report must be submitted not later than May 1, 2020.

Instructions

Answer all questions, fill-in all blanks, and have the report notarized in the Affidavit.

Affidavit

A representative of the affected entity must swear to and affirm the truthfulness, correctness, and completeness of the information provided by attaching a signed and notarized copy of the Affidavit provided with this form.

Filing Instructions

Submit four copies (an original and three copies) of the completed form and signed and notarized Affidavit to:

Central Records Filing Clerk
Public Utility Commission of Texas
1701 N. Congress Avenue
P.O. Box 13326
Austin, Texas 78711-3326
Telephone: (512) 936-7180

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1. Provide a summary description of hazard recognition training documents you provide your employees related to overhead transmission and distribution facilities.

Hazard Recognition Training Documents:

1. National Electric Safety Code Clearance Handouts laminated and provided.
2. HB 4150 Law provided and reviewed
3. National Electric Safety Code pages 1-76 to date provided and reviewed
4. TEC Job Training & Safety Handbook issued
5. Rural Utility Services (RUS) Bulletin 1728F-803 provided in print
6. USDA RUS Web page - bulletins and regulations available online
7. TEC provided training handouts during Cooperative sponsored training.

2. Provide a summary description of training programs you provide your employees related to the National Electrical Safety Code for construction of electric transmission and distribution lines.

For Distribution:**Summary description of Safety Meeting HB 4150 Training:**

The training covered an overview of HB 4150 with an explanation of requirements for the utilities operating in Texas. It included hazard recognition training as it applies to the requirements of compliance with the National Electric Safety Code (NESC). This included clearance requirements for lands, roadways, and waterways. The employee training defined to whom, when and how the bill applies. The course included hazard recognition and an explanation of clearance guideline requirements preparing employees to pro-actively recognize and report hazards and clearance related issues on NPEC lines. In addition, NPEC added a full review of the NESC to be incorporated in ongoing training for all operations employees starting with Section 1 through Section 19 initially.

Safety Meeting Course Outline:

1. HB 4150 Review
2. Hazard Recognition
3. NESC Clearance Guideline Requirements

Course Materials:

1. Power Point Presentation
2. Presentation Material Handouts
3. NESC Clearance Handouts
4. HB 4150 Law

For Transmission:**Summary of Transmission for PURA §38.102:**

PURA §38.102 requires electric utilities including electric cooperatives to provide training to employees related to the National Electric Safety Code (NESC) for construction of electric transmission and distribution lines. A webinar was attended by Engineering & Operations personnel that discussed the requirements for transmission facilities which are defined as facilities operating above 60 kV. This training focused on transmission clearances, strength issues, and access of overhead transmission lines.

Webinar Outline:

1. Maximum Operating Temperature and Sag Requirements for Transmission Conductors
2. Additional Ground Clearance Requirements for Transmission Lines
3. Additional Clearances from Building/Signs
 - a. Deflection of Insulators
 - b. Deflection of Structures
 - c. Clearance Based on Maximum Operating Voltage
 - d. Limited Electrostatic Effects to Buildings and Signs below the Line
4. Mid-span Conductor Clearances
5. Power Lines and Phone Lines Crossing below Transmission Lines
6. Grade of Construction for Voltages Over 22kV
 - a. Guying Strength Requirements
 - b. Under-build Strength Requirements
7. Identification of Climable Supporting Structures Objectives:
 1. Determine appropriate clearances for transmission lines.
 2. Define maximum sag for determined clearances.
 3. Identify strength requirements for transmission facilities

Copies of NESC Clearance Charts were provided and discussed. Employees were made aware of the additional clearances required for transmission above 22 KV and the location within NESC that explains how to determine an adjustment.

Affected Entity: North Plains Electric Cooperative, Inc.

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AFFIDAVIT

I swear or affirm that I have personal knowledge of the facts stated in this report or am relying on people with personal knowledge, that I am competent to testify to them, and that I have the authority to submit this report on behalf of the affected entity. I further swear or affirm that all statements made in this report are true, correct, and complete.

Randy Mahannah
Signature

Randy Mahannah
Printed Name

Executive VP & General Manager
Job Title

North Plains Electric Cooperative, Inc.
Name of Affected Entity

Sworn and subscribed before me this 23 day of April, 2020.
Month Year

Jennifer K. Roberts
Notary Public in and For the State of Texas

My commission expires on 8-15-2020.

